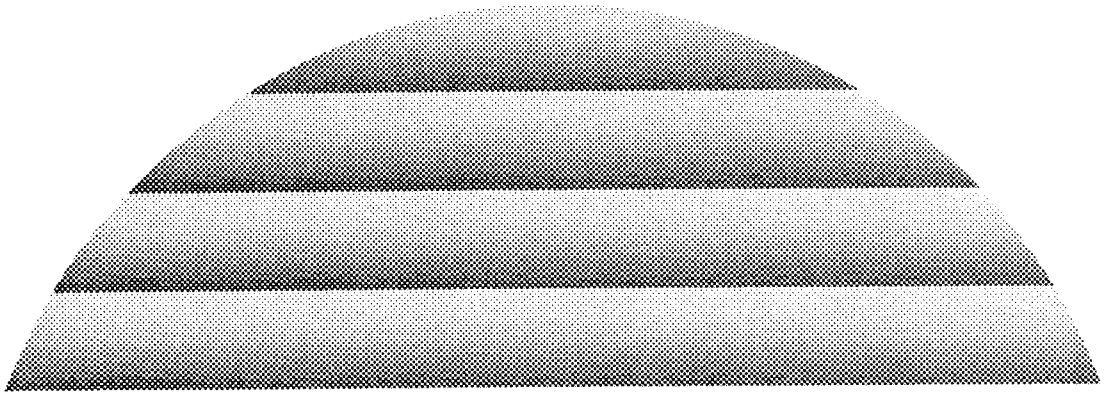
Panasonic®

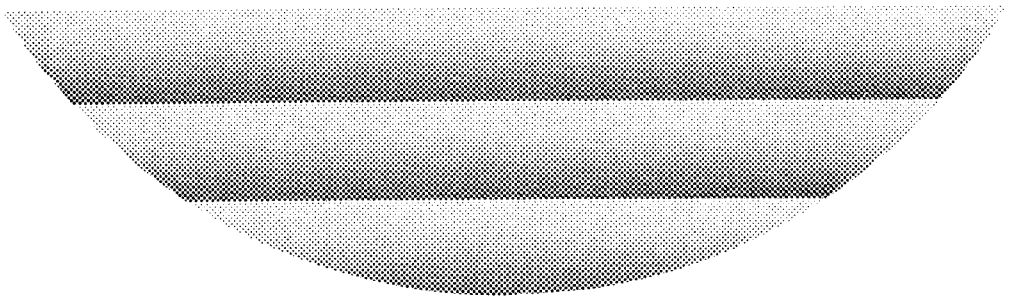


Operating Instructions

Microwave/Convection Oven

Model

NN-9850/NN-9500



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

(c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

(1) door (bent)
(2) hinges and latches (broken or loosened)
(3) door seals and sealing surfaces

(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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The serial number of this product may be found on the right side of the oven door opening. You should note the model number and the serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

Model No. _____

Serial No. _____

Date of Purchase _____

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Important Safety Instructions

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING—To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using this appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY", found on page 2.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 4.
4. Install or locate this appliance only in accordance with the provided installation instructions. Position oven so that controls are easily accessible.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on this appliance.
11. Do not use outdoors.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
16. To reduce the risk of fire in the oven cavity:
    (a) Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    (b) Remove wire twist-ties from bags before placing bags in oven.
    (c) If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
17. Use extreme caution when removing metal tray.

General Use

1. Do NOT tamper with or make any adjustments or repairs to door, control panel housing, safety interlock switches or any other part of the oven. Do NOT remove outer panel from oven. Repairs should only be done by a qualified serviceperson.
2. Do NOT operate the oven empty on combination or microwave. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy. This could damage the oven and result in the danger of a fire.
3. Before using the BAKE, COMBINATION or BROIL functions for the first time, operate the oven without food on BAKE for 20 minutes at 450°F. This will allow the oil that is used for rust protection to be burned off.
4. **Do NOT** use this oven to heat chemicals or other non-food products. **Do NOT** clean this oven with any product that is labeled as containing corrosive chemicals. **The heating of corrosive chemicals in this oven may cause microwave radiation leaks.**
5. If a fire occurs in the oven, touch the STOP/ RESET Pad and LEAVE DOOR CLOSED. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
6. Do NOT dry clothes, newspapers or other materials in oven. They may catch on fire.
7. Do NOT use recycled paper products, as they may contain impurities which may cause sparks and/or fires when used.
8. Do NOT use newspapers or paper bags for cooking.
9. Do NOT hit or strike control panel. Damage to controls may occur.
10. POT HOLDERS are needed when cooking. Heat is transferred from the hot food to the cooking container and from the cooking container to the Metal Tray. Metal Tray can be very hot after removing cooking container from oven.
11. Do NOT store flammable materials next to, on top of, behind or in the oven. It could be a fire hazard.
12. Door will get hot during BAKE, COMBINATION and BROILING. Please handle door carefully.

FOR PROPER USE OF YOUR OVEN READ REMAINING SAFETY CAUTIONS AND OPERATING INSTRUCTIONS.

SAVE THESE INSTRUCTIONS

INSTALLATION AND GROUNDING INSTRUCTIONS –

Examine Your Oven

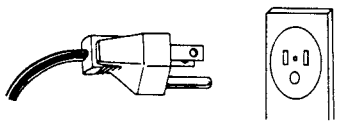
Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if oven is damaged. Do NOT install if oven is damaged.

Placement of Oven

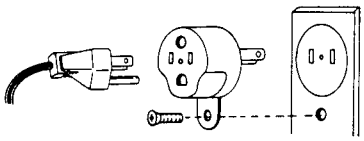
1. Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow. Allow 3 inches of space on both sides of the oven and 1 inch of space on top of oven.
   a. Do NOT block air vents.
      If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
   b. Do NOT place oven near a hot damp surface such as a gas or electric range.
   c. Do NOT operate oven when room humidity is too high.
2. This oven was manufactured for household use only.
3. This oven may be built into a wall cabinet, if desired, by using the proper trim kit, which may be purchased from a local Panasonic dealer.
   Follow all installation instructions packed with kit.
   See page 20 for Technical Specifications.

Wiring Requirements

1. The oven must be plugged into at least a 15 AMP 120 VOLT, 60 Hz GROUNDED OUTLET.
   Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.



2. A TEMPORARY CONNECTION with a two-prong adaptor may be made where LOCAL CODES PERMIT it. Unless the cover screw is grounded through the house wiring, attaching the adaptor grounding plate to the cover screw will not ground the oven. If there is any doubt that the cover screw is grounded, have it checked by an electrician.



3. The oven must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip, or the food may cook slower than times recommended in cookbook.
4. The VOLTAGE used must be the same as specified on this microwave oven (120 V).
   Using a higher voltage is dangerous and may result in a fire or other accident causing oven damage.
   Using a lower voltage will cause slow cooking.
   Panasonic is NOT responsible for damage resulting from the use of the oven with other than specified voltage.

Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.
WARNING—Improper use of the grounding plug can result in a risk of electric shock.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.
If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

Power Supply

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. If a long cord or extension cord is used, (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance, (2) the extension cord must be a grounding-type 3-wire cord, and (3) the longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over accidentally.

Radio Interference

1. Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
   a. Clean door and sealing surfaces of the oven. (See Care of Your Microwave/Convection Oven found on page 19.)
   b. Place the radio, TV, etc. away from the microwave oven as far as possible.
   c. Use a properly installed antenna to obtain stronger signal reception.

Follow These Safety Precautions When Cooking In Your Microwave/Convection Oven

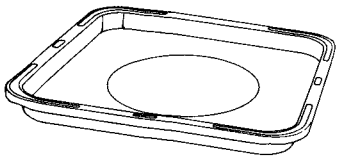
1. Do not use your combination oven for home canning or the heating of any closed jar. Pressure will build up and the jar may explode. In addition, the combination oven cannot maintain the food at the proper canning temperature. Improperly canned food may spoil and be dangerous to consume.
2. Cooking utensils get hot during Baking, Combination, Broiling and Microwaving. Use potholders when removing utensils and metal tray from the oven or when removing lids or plastic wrap covers from cooking utensils to avoid burns.
3. The metal tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates, napkins or microwave popcorn bags, are placed in the oven for microwave cooking.
4. During cooking heat is transferred from the hot food to the cooking utensil and from the utensil to the metal tray. The metal tray can be very hot after removing cooking utensils from oven.
5. The oven door and the interior walls will get hot during Combination, Bake and Broil.
6. Small quantities of food or foods with low moisture content can dry out, burn or catch on fire. If a fire occurs, turn oven off and leave oven door closed. Disconnect the power cord or shut off power at the fuse or circuit breaker panel.
7. Popcorn must be popped in a microwave oven corn popper. Microwave corn poppers are available through many retail stores. Microwave popcorn which pops in its own package is also available. Each brand of microwave popcorn recommends that their popcorn be used in microwave ovens listed at a specific wattage. For example: "Use in a microwave oven 600 watts or greater", or "Tested in microwaves of 450 to 1000 watts". Follow popcorn manufacturers' directions and use a brand suitable for the specified wattage of your oven. See power select settings on page 8. **Popping bag must be elevated** on a microwave-safe rack or inverted microwave-safe pie plate in oven. **To avoid overheating, recommended popping time is 3 minutes (3.5 oz.).**
8. **Do not** attempt to deep fat fry in your microwave oven. Oil can be heated beyond ideal temperatures very quickly in a microwave oven. Temperatures can climb high enough for the cooking oils to reach their respective flash points and burst into flames. The heated oil may bubble and spatter causing possible damage to the oven and perhaps resulting in burns. Additionally, microwave safe utensils may not be able to withstand the temperature of the hot oil, and could result in the utensil shattering if it contains even a slight imperfection, scratch or chip.
9. Do not heat eggs in their shell in a microwave oven. Pressure will build up and the eggs will explode.
10. Potatoes, apples, egg yolks, whole squash and sausages are examples of foods with nonporous skins. These types of foods must be pierced before Microwave or Combination cooking to prevent bursting.
11. Use fresh potatoes for baking and cook until just done. The potatoes will still feel firm to the touch, but are easily pierced with a fork. Overcooking causes dehydration and may cause a fire.
12. Heated liquids can erupt if not mixed with air. Do not heat liquids in your microwave oven without first stirring.
13. Heat only 1 frozen dinner or entree by microwave in your oven at a time. If dinner or entree is heated in a foil tray, place foil tray on microwave-safe rack in center of oven. Leave at least 1-inch space between foil tray and oven walls to avoid arcing.
14. Drying meats, herbs, fruits, vegetables is not recommended.
15. Do not use a conventional meat thermometer for Microwave or Combination cooking. Arcing may occur. Do not use a Microwave meat thermometer for Combination cooking or Bake. It may melt.
16. Do not use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite.
17. Do not use paper bags or recycled paper products in the microwave oven.
18. Do not use the oven for any reason other than the preparation of food.
19. Do not leave oven unattended while in use.
20. Microwave browning dishes or grills are designed for microwave cooking only. Preheating times vary depending on the size of the browning dish and food being cooked. Always follow instructions provided by the browning dish or grill manufacturer. Do not preheat browning dish more than 8 minutes.
21. If an oven cooking bag is used for Microwave cooking, prepare according to package directions. Do not use wire twist–tie to close bag. Instead use nylon tie, a piece of cotton string or a strip cut from the open end of the bag. Make six ½-inch slits by closure. Place oven cooking bag in a dish slightly larger than the food being cooked.
22. When using foil, skewers, warming rack or utensils made of metal in the oven for Microwave or Combination cooking, allow at least 1-inch of space between metal material and interior oven walls. If arcing (sparking) occurs remove metal material (skewers, etc.) and/or transfer to a non-metallic container.
23. Dishes with metallic trim should not be used during Microwave or Combination cooking, arcing may occur.

Metal Tray

1. Place metal tray on metal turntable securely. Do not operate the oven without the Metal Tray in place when cooking by Microwave or Combination. Remove metal tray when using BROIL and BAKE.
2. Only use the Metal Tray specifically designed for this oven. Do not substitute any other Metal Tray.
3. If Metal Tray is hot, allow to cool before cleaning or placing in water.
4. Metal Tray can turn in either direction while the oven is operating. This is a normal condition and is not a defect.
5. If food or utensil on Metal Tray touches oven walls, causing the turntable to stop moving, the turntable will automatically rotate in opposite direction. This is normal.
6. Do NOT cook directly on Metal Tray when performing microwave cooking. Always place food in a microwave-safe dish, or on a rack set in a microwave-safe dish. For Combination cooking, place meats and poultry on a microwave and heat-safe rack set in a microwave and heat-safe dish. Place dish on metal tray. Follow specific instructions in the Panasonic cookbook for proper use of oven accessories and cookware.

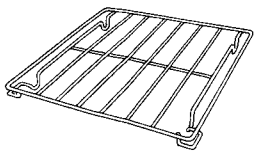
Accessories and Use

(NN-9850 only)



Broiler Pan

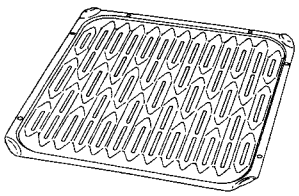
Use the Broiler Pan for Broil only.



Oven Rack

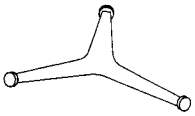
Oven Rack is used for Bake and Broil.

(NN-9850 only)



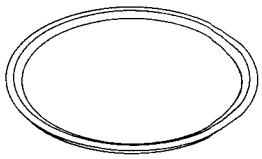
Spatter Shield

Use with the Broiler Pan. Spatter Shield helps prevent spattering. Only use the Spatter Shield for Broil.



Metal Turntable

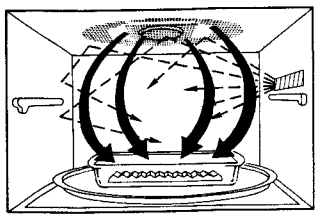
The Metal Turntable should always remain in the oven.



Metal Tray

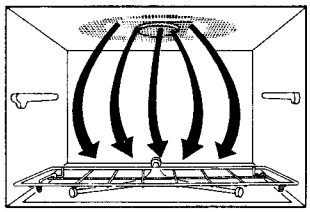
The Metal Tray is used for Combination and Microwave cooking. Remove Metal Tray when using Broil and Bake.

COMBINATION



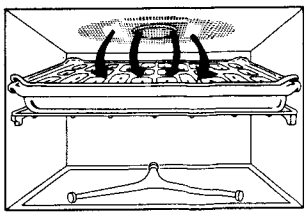
Place food in microwave and heat-safe dish. Place dish directly on Metal Tray.

BAKING



Remove metal tray.
Place Oven Rack on oven floor.
Place food in a dish on Oven Rack.

BROILING



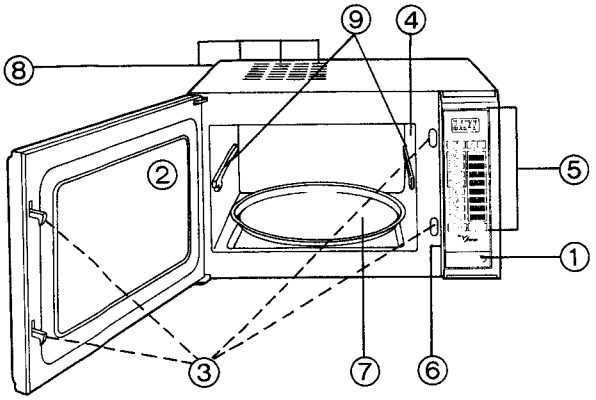
Place oven rack in rack guides. Food is placed on Broiler Pan with spatter shield and placed on oven rack.

Accessory Use Chart

The following chart shows the proper way to use all accessories supplied with this oven.
For more detailed instructions, read your Panasonic Cookbook.

Accessories	Microwave Cooking	Baking	Combination Cooking	Broiling
Broil Pan	No	No	No	Yes
Spatter Shield	No	No	No	Yes
Metal Tray	Yes	No	Yes	No
Oven Rack	No	Yes	No	Yes

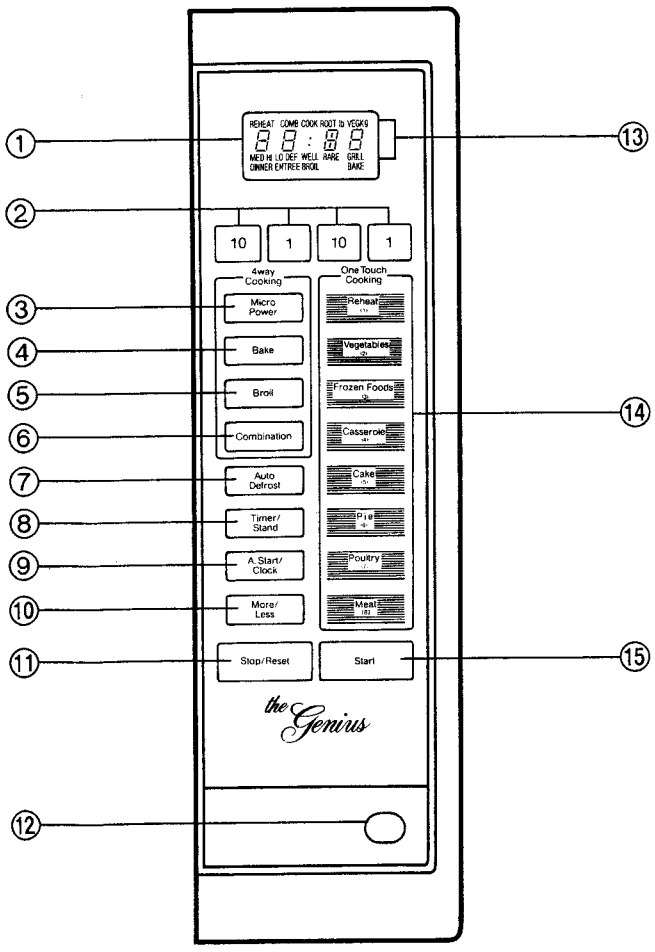
Feature Diagram



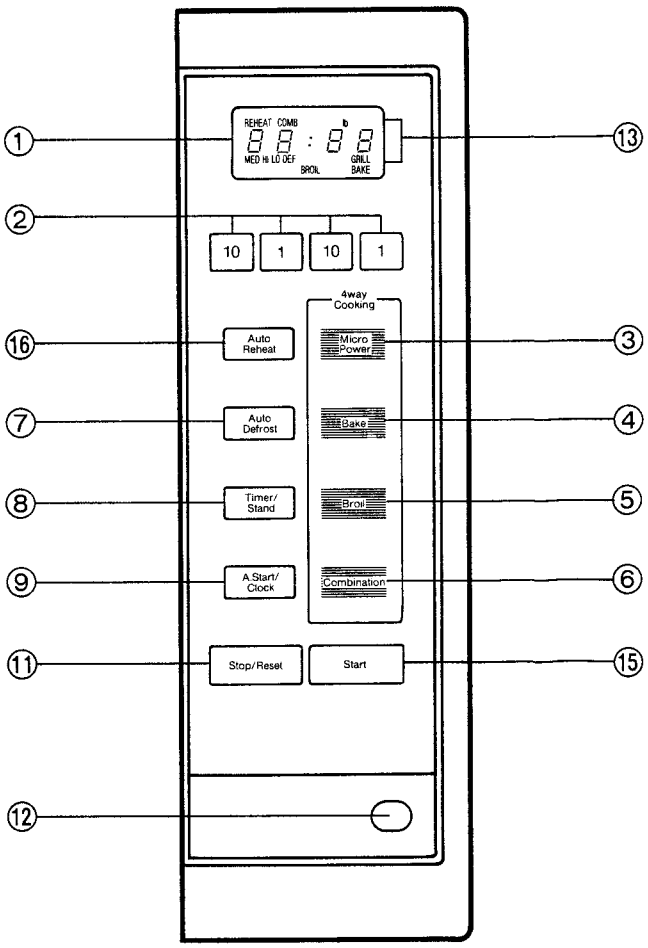
① Door Release Button
② Oven Window
③ Door Safety Lock System
④ Oven Air Vents
⑤ Control Panel
⑥ Identification Plate
⑦ Metal Tray
⑧ External Oven Air Vents (top and back)
⑨ Oven Rack Guides

Control Panel

NN-9850



NN-9500



***Controls with Auto Count-Up Feature**

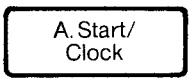
This allows rapid advancement of displayed figure by continuously pressing the pad.

① Display Window
② Time Pads*
③ Micro Power Pad*
④ Bake Pad*
⑤ Broil Pad*
⑥ Combination Pad*
⑦ Auto Defrost Pad*
⑧ Timer/Stand Pad
⑨ Auto Start/Clock Pad
⑩ More/Less Pad
⑪ Stop/Reset Pad
⑫ Door Release Button
⑬ Indicator Lights
⑭ One Touch Cooking Pads*
⑮ Start Pad
⑯ Auto Reheat Pad*

Controls and Operation Procedure

A. START/CLOCK Pad:

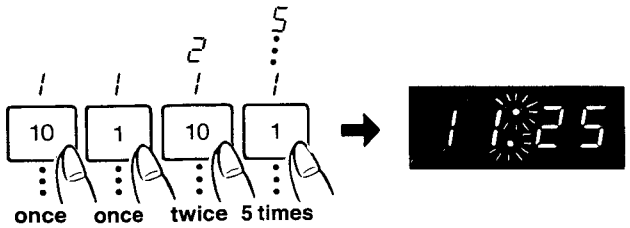
When oven is first plugged in, "88:88" will appear in the display window.



To set clock

Step 1. Press A. START/CLOCK Pad.
▶Colon will blink.

Step 2. Enter time of day by pressing appropriate TIME Pads.
▶Time appears in display window; colon is blinking.
Example: To set 11:25
Press TIME Pads from left to right as follows:

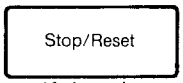


Step 3. Press A. START/CLOCK Pad.
▶Colon stops blinking; time of day is entered and locked into display.

NOTES ON CLOCK:
1. To reset time of day, repeat step 1 through step 3.
2. The clock will keep the time of day as long as oven is plugged in and electricity is supplied.
3. To delete "88:88" indication, press STOP/RESET Pad.
4. This is a 12 hour clock with no distinction between AM and PM.

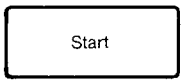
STOP/RESET Pad:

Before cooking: One tap clears your instructions.
During cooking: One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day appears in display window.



START Pad:

One tap allows oven to begin functioning. If door is opened or STOP/RESET Pad is tapped once during oven operation, START Pad must again be pressed to restart oven.



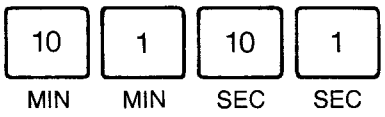
Door Release Button:

Opening Door:
Opening the door during cooking will stop the cooking process without cancelling the program. Cooking resumes as soon as the door is closed and START Pad is pressed. The oven light will stay on or turn on whenever the door is opened.

Beep Sound:
When a pad is pressed correctly, a beep will be heard. If a pad is pressed and no beep is heard, the unit has not or cannot accept the instruction. The oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times. At the end of preheat, the oven will beep 3 times.

TIME Pad:

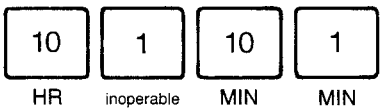
1. **Microwave and Broil.**
The Pads serve as a 10 minute pad, 1 minute pad, 10 second pad and 1 second pad from the left, and can be programmed up to 99 minutes and 99 seconds.



Example: To set 13 minutes 45 seconds

Press;
10 MIN Pad: once
1 MIN Pad: 3 times
10 SEC Pad: 4 times
1 SEC Pad: 5 times

2. **Combination and Bake.**
The Pads serve as a 1 hour pad, an inoperable pad, 10 minute pad and 1 minute pad from the left, and can be programmed up to 9 hours 99 minutes.

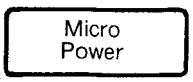


Example: To set 2 hours 25 minutes

Press:
1 HOUR Pad: twice
10 MIN Pad: twice
1 MIN Pad: 5 times or advance by pressing continuously.

MICRO POWER Pad:

Automatically counts down from HIGH to LOW. When cooking with a power other than HIGH, the oven must cycle to obtain the lower power levels. The oven light dims and a clicking noises can be heard when the oven cycles. The following is the approximate wattage for each power level. The following is the approximate wattage for each power level.

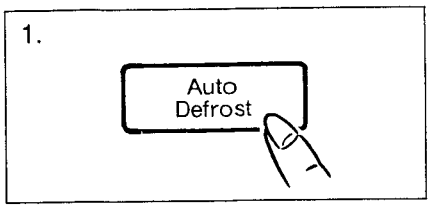


HIGH	100%
MEDIUM-HIGH	70%
MEDIUM	55%
DEFROST	30%
MEDIUM-LOW	30%
LOW	10%

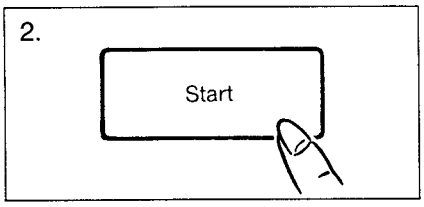
MICROWAVE

Auto Defrost

This feature allows you to defrost meat, poultry and seafood by weight. Weight must be programmed in pounds and in increments of (0.5) five tenths of a pound.



•Set the weight of the food by pressing AUTO DEFROST Pad. The weight appears in the display window in increments of ½ pound (5 tenths of a pound).



•Press START Pad.

NOTES ON AUTO DEFROST:

1. To use Auto Defrost, the weight of the food must be rounded to the nearest 0.5 pound. If an item weighs 5.4 lbs., then program 5.5 lbs. If an item weighs 6.8 lbs., then program 7 lbs.
2. The shape and size of the food will determine the maximum weight the oven can accommodate. The recommended **maximum weight of meat is 4 lbs; poultry, 6 lbs. and seafood, 3 lbs.**
3. Stand time or power level may be programmed after Auto Defrost.
4. For further information on Auto Defrost, refer to the Panasonic Cookbook.

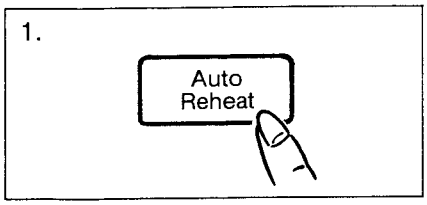
Conversion Chart

Follow this chart to convert ounces or hundredths of a pound into tenths of a pound.

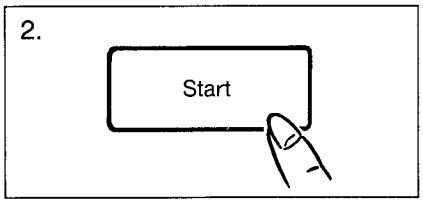
Ounces	Hundredths of a Pound	Tenths of a Pound
0	.96–.05	0.0
1–2	.06–.15	0.1
3–4	.16–.25	0.2
5	.26–.35	0.3
6–7	.36–.45	0.4
8	.46–.55	0.5
9–10	.56–.65	0.6
11–12	.66–.75	0.7
13	.76–.85	0.8
14–15	.86–.95	0.9

Auto Reheat (NN-9500)

This feature allows you to reheat 1 to 4 servings of precooked room temperature and refrigerator temperature foods without having to select cooking times and powers. The oven does it all automatically.



•Press AUTO REHEAT Pad until the desired number of servings (1–4) appears in display window.



•Press START Pad.

NOTES ON AUTO REHEAT:

1. Stand time or a power level can be programmed after Auto Reheat.
2. Auto Reheat can be programmed for 1 to 4 servings.
3. Listed in the box at the right are the recommended food items and approximate weights for this feature. Also listed is the starting temperature of the food item (room temperature or refrigerator temperature).

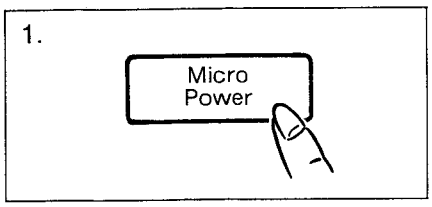
Foods	Number of Servings	Serving Size	Starting Temp.
Plate of Food	1	12 to 16 oz.	Refrig.
Meat, Poultry	1–4	4 to 6 oz.	Refrig.
Casseroles	1–2	8 to 16 oz.	Refrig.
Side Dishes	1–4	4 to 6 oz.	Refrig. or Room Temp.
Soups, Sauces, Gravy	1–2	6 to 8 oz.	Refrig. or Room Temp.

MICROWAVE

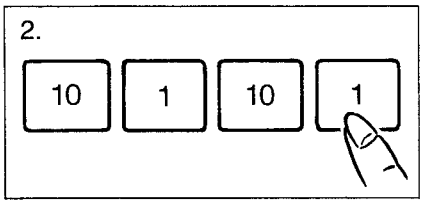
Time Cooking/Time Defrost

This feature allows you to program Time Cooking and Time Defrost.

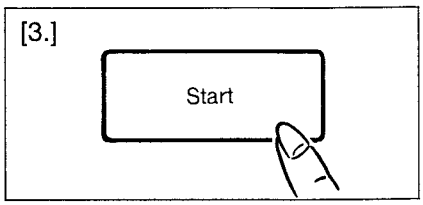
One Stage Cooking



•Select cooking power by pressing MICRO POWER Pad.

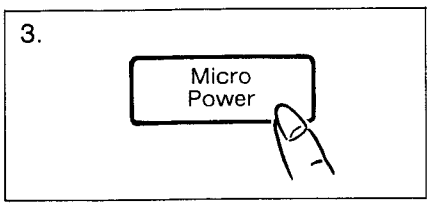


•Set cooking time by pressing TIME Pads.

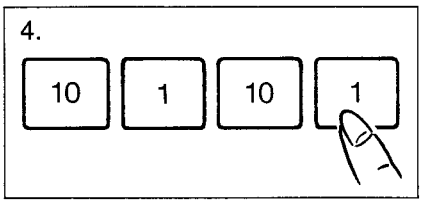


•Press START Pad.

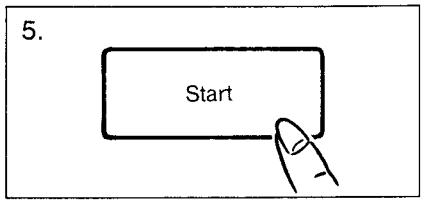
Two Stage Cooking/Three Stage Cooking



•Before pressing START Pad, select second/third cooking power by pressing MICRO POWER Pad.



•Set second/third stage cooking time by pressing TIME Pads.
(Repeat steps 3 and 4 for three stage cooking.)



•Press START Pad.

NOTES ON TIME COOKING/TIME DEFROST:

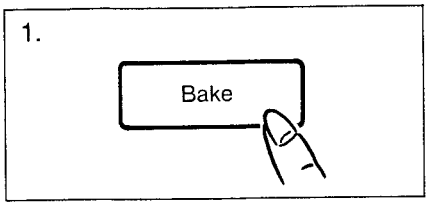
1. Your oven can be programmed up to 3 stages.
2. Stand Time can be programmed after Time Cooking/Time Defrost.
3. When selecting HIGH Power on the first stage, it is not necessary to press MICRO POWER Pad. Simply set cooking Time by pressing TIME Pad and press START Pad.

BAKE

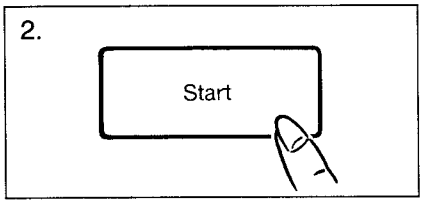
Automatically counts-up in 25°F increments from 200°F to 450°F.
Pressing the BAKE Pad during preheating or cooking shows the temperature programmed in display window.

Auto Preheating

For your convenience, this oven is equipped with Auto Preheating feature. You do not have to set preheating time or reset oven temperature after preheating for cooking. Preheat when indicated in recipes and charts. Please do not open door during preheating.



•Press BAKE Pad for desired oven temperature.

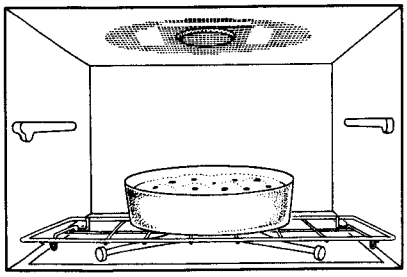


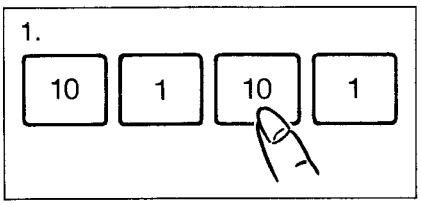
•Press START Pad.

NOTES:

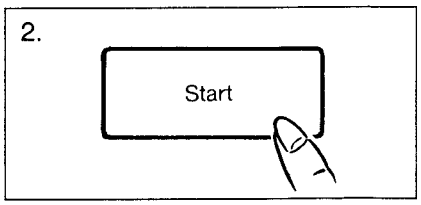
1. Remove metal tray from oven before preheating. Place oven rack on oven floor.
2. When preheating is completed, oven will beep three times, "P" will flash in display window. Place food in dish on oven rack.
3. If oven door is not opened after preheating, oven will maintain the selected temperature for 60 minutes. After 60 minutes, oven will shut off automatically and beep five times.
4. For more detailed information on preheating, refer to the Panasonic cookbook.

Time Cooking





•After Auto Preheating, set cooking time by pressing appropriate TIME Pad.



•Press START Pad.

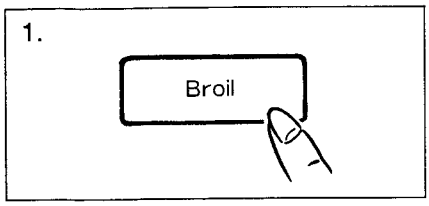
NOTES:

1. When selected cooking time is less than one hour, time counts down second by second.
2. When selected cooking time is over one hour, time counts down minute by minute until only "1H 00" (1 hour) remain. Display then indicates minutes and seconds and counts down second by second.
3. For recipes that do not require preheating, bake temperature must be selected before pressing TIME Pads.

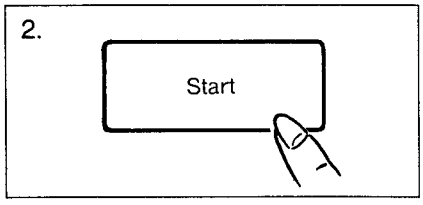
BROIL

Auto Preheating

For your convenience, this oven is equipped with an Auto Preheating feature. You do not have to set preheating time or reset oven temperature after preheating for cooking. Preheat when indicated in recipes and charts. Please do not open door during preheating.



●**Press BROIL Pad.**

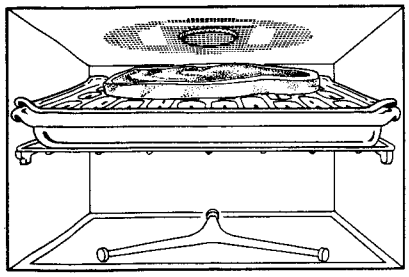


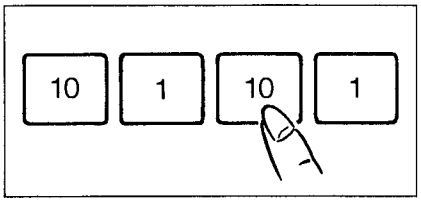
●**Press START Pad.**

NOTES:

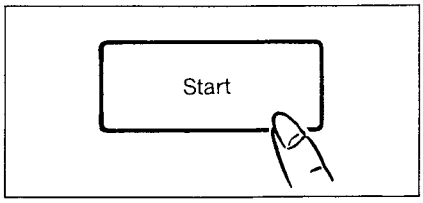
1. Remove metal tray from oven before preheating. Place oven rack in rack guides.
2. When preheating is completed, oven will beep three times, "P" will flash in display window.
3. If oven door is not opened after preheating, oven will maintain the selected temperature for 60 minutes. After 60 minutes, oven will shut off automatically and beep five times.
4. Place food on broiler pan. Most broiler pans can be purchased at your local store. NN-9850 comes equipped with its own broiler pan and spatter shield.
5. After oven is preheated, open oven door and carefully place food on broiler pan on oven rack in the oven.
6. For more detailed information on preheating, refer to the Panasonic Cookbook.

Time Cooking





●**After Auto Preheating, set cooking time by pressing TIME Pads.**



●**Press START Pad.**

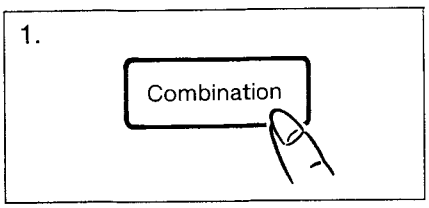
NOTES:

For recipes that do not require preheating, BROIL Pad must be selected before pressing TIME Pads.

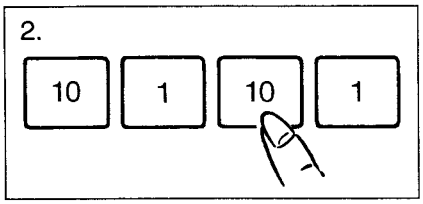
COMBINATION

Time Combination Cooking

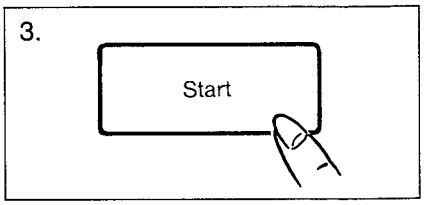
There are 4 combination settings. These settings are automatic, there is no need to set oven temperature or microwave power level.



•Select Combination cooking program by pressing COMBINATION Pad 1 to 4 times.



•Set Cooking time by pressing TIME Pad.



•Press START Pad.

NOTES:

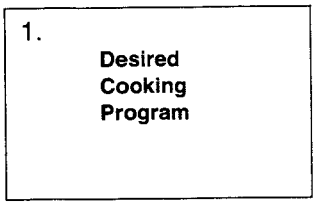
1. There are 4 Combination settings. Listed in chart are the recommended foods for time Cooking by Combination. Also refer to the Panasonic Cookbook for recommended recipes for time cooking by combination.
2. When selected cooking time is less than one hour, time counts down second by second.
3. When selected cooking time is over one hour, time counts down minute by minute until only "1H 00" (1 hour) remain. Display then indicates minutes and seconds and counts down second by second.
4. Refer to the introduction in your Panasonic cookbook for additional information on each setting.

Category	Food
1	Beef (Well), Lamb (Well)
2	Beef (Rare, Med), Lamb (Med), Turkey, Stews
3	Pork
4	Chicken, Duck

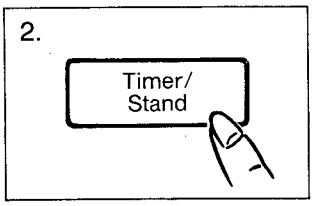
MICROWAVE

Timer/Stand

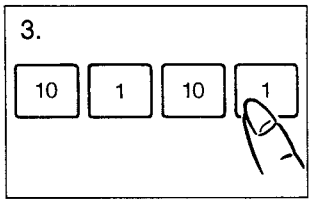
This feature allows you to program a Stand Time after cooking is completed and to program the oven as a minute timer and/or to program delay start.



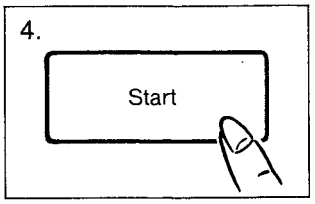
•Program desired cooking program according to directions given in this manual.



•Press TIMER/STAND Pad.



•Set desired amount of time by pressing TIME Pads.



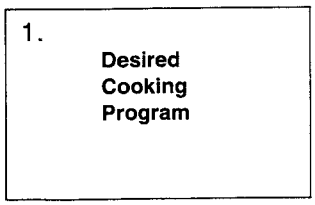
•Press START Pad.

NOTES ON TIMER/STAND:

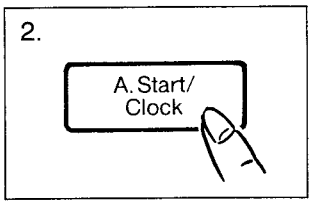
1. This pad can also be utilized as a timer if you start from step 2 as shown above.
2. If oven door is opened during the Stand Timer, the time in display window will continue to count down.
3. To program delay start, follow steps 2 and 3 then follow step 1 to START Pad.

Auto Start

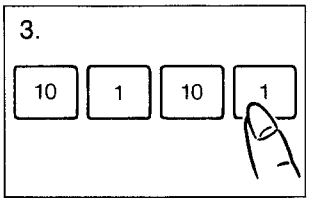
This feature allows you to program the time of day you want cooking to start.



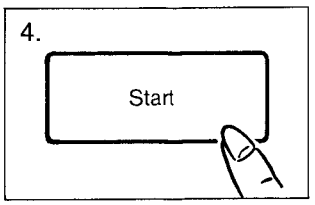
•Program desired cooking program according to directions given in this manual.



•Press A. START/ CLOCK Pad.



•Set the time of day you want the oven to begin cooking by pressing TIME Pads.



•Press START Pad.

NOTES ON AUTO START:

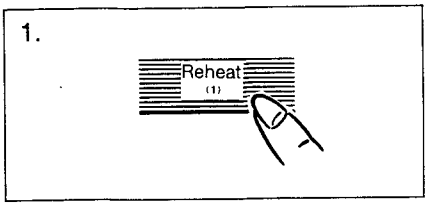
1. With the Auto Start feature, the oven may be programmed to start cooking up to 11 hours and 59 minutes before cooking starts.
2. To recall selected start time before cooking, press A. START/CLOCK Pad. Start time will appear in display window while your finger is pressing the pad.
3. Only one or two stage cooking can be programmed after Auto Start.
4. Auto Start cannot be programmed before any Auto Control Function, Broil and Defrost. This is to prevent the starting temperature of the food from rising before defrosting or cooking begins. A change in the starting temperature could cause inaccurate results.
5. Auto Start cannot be programmed unless clock is set.

MICROWAVE

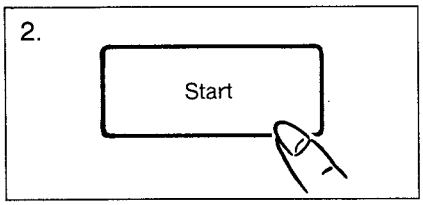
One Touch Cooking (NN-9850)

Reheat Pad:

This feature allows you to reheat precooked food at room temperature, refrigerator temperature, without having to select cooking times and powers. The oven does it automatically.



●**Press REHEAT Pad.**



●**Press START Pad.**

NOTES ON REHEAT PAD:

1. Reheat food covered with lid or plastic wrap.
2. Stand time or a power level can be programmed after Auto Sensor Reheat.

For best results follow these recommendations:

1) All foods must be previously cooked and must be at room temperature or refrigerator temperature.
2) Make sure metal tray in the oven is dry to assure best cooking results.
3) Foods should always be covered loosely but completely with plastic wrap or lid.
4) Foods weighing less than 4 ounces and more than 32 ounces should be reheated by power and time only.
5) All foods should have a covered stand time of 3 to 5 minutes.
6) The surrounding room temperature should not be above 95°F. Inaccurate cooking may result.

DO NOT

1) Open oven door during reheat time. Opening door may cause inaccurate cooking results. The oven door may be opened once the timed countdown appears in display window.
2) Reheat bread and pastry products. Use manual power and time.
3) Cook or reheat raw or uncooked food.
4) Use reheat if oven cavity is warm.
5) Use reheat for beverages.
6) Use reheat for frozen foods.

The following are recommended food items and suggested weight ranges for this feature.

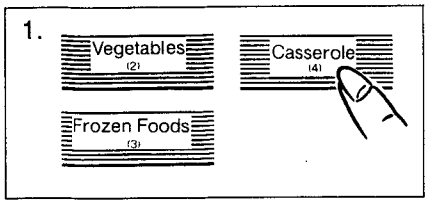
Food	Recommended Weight
Plate of Food	12–16 oz.
Meat, Poultry	4–16 oz.
Casseroles	8–16 oz.
Side Dishes	4–6 oz.
Soups, Sauces, Gravies	6–8 oz.

MICROWAVE

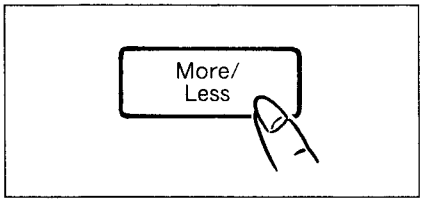
One Touch Cooking (NN-9850)

Vegetables, Frozen Foods, Casserole Pads:

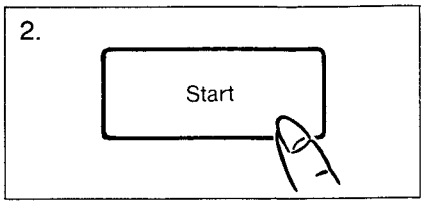
One Touch Cooking allows you to cook most of your favorite foods without having to select cooking times and powers. The oven does it all automatically.
For proper cooking results on One Touch Cooking, be sure to cover foods securely with plastic wrap or place foods in a casserole with a proper fitting lid.
For further information refer to the Microwave Cookbook and One Touch Cooking recipes.



•Press the desired Category Pad until the desired category number and item appears in the display window.



•Press More/Less Pad only if you wish to alter cooking results.
1 tap: MORE cooking
2 taps: LESS cooking



•Press START Pad.

More/Less Pad:
Preferences for food doneness vary with each individual. After having used One Touch Cooking a few times, you may decide you would prefer your food cooked to a different doneness. By using the Doneness Control, the Auto Sensor programs can be adjusted to cook food for a longer or shorter time. If you are satisfied with the result of cooking with the built-in One Touch Cooking program, you don't need to use the More/Less Pad.
1 tap: More cooking with indicator "+"
2 taps: Less cooking with indicator "−"

NOTES ON ONE TOUCH COOKING:

1. The One Touch Cooking system works by detecting a build-up of steam on the humidity sensor. As food cooks in a microwave oven, steam is produced. When foods are covered, the steam will build up and escape from the dish in a burst. This burst of steam is detected by the humidity sensor and then the oven automatically calculates the remaining cooking time.
2. When a One Touch Cooking Cycle is selected, the oven door should not be opened for longer than one minute. Opening the door may cause inaccurate cooking results. Once the steam is detected, a two beep signal is heard, and the remaining cooking time immediately appears in the display window and begins to count-down. At this time, the oven door may be opened to stir, turn or add foods.
3. One Touch Cooking is successful with the foods and recipes found in the Microwave Cookbook section and marked with the Symbol [A]. Because of the vast differences in food composition, recipes and charts without the symbol should be prepared in your microwave oven using the Power and Time features.
4. The room air temperature surrounding the oven should not be above 95°F when using the One Touch Cooking feature . Inaccurate cooking may result.
5. Foods less than 3 or 4 ounces should be cooked by power and time, not by One Touch Cooking.
6. When the remaining cooking time is over 60 minutes, the time will appear as hours and minutes.
7. All foods for One Touch Cooking are taken from their normal storage place.
8. Before using One Touch Cooking feature make sure Metal Tray in the oven is dry to assure best One Touch Cooking results.
9. Stand time or a power level can be programmed after One Touch Cooking.
10. If One Touch Cooking is programmed a short time after Bake, Broil or Combination Cooking, "HOT" will appear in display window. The HOT sign indicates that the oven cavity is too hot for the proper operation of the One Touch Cooking Function.
    While the HOT sign is in display window, the unit cannot be operated by Auto Sensor, and room temperature air is circulated in the oven cavity to cool it. You may leave the door ajar to cool the unit or you may touch START Pad, and the fan will run until cool. After the unit is cooled, the oven beeps 5 times and time of day appears in display window. One Touch Cooking cycles can now be programmed. The oven can be cooled with its self-contained cooling fan by touching START Pad on the displayed "HOT" indicated condition.

The following categories are further divided as follows:

Vegetables—2 categories
1st tap—Root Vegetables (carrots, potatoes)
2nd tap—Fresh Vegetablers (broccoli, peas, beans, cauliflower)

Frozen Foods—3 categories
1st tap—Dinners
2nd tap—Entrees
3rd tap—Vegetables

NOTES:
Please tap until desired category appears in the display window.

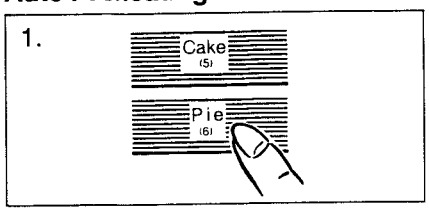
BAKE

One Touch Cooking (NN-9850)

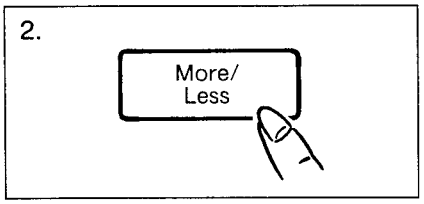
Cake, Pie Pads:

This feature allows you to cook cake or pie without having to select cooking time.

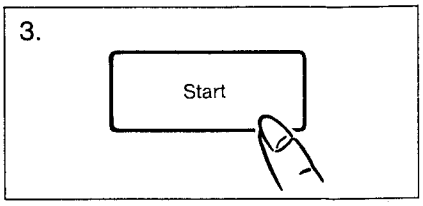
Auto Preheating



•Press the desired Category Pad until the desired category number and item number appears in the display window.



•If required, press MORE/LESS Pad for your desired cooking result.

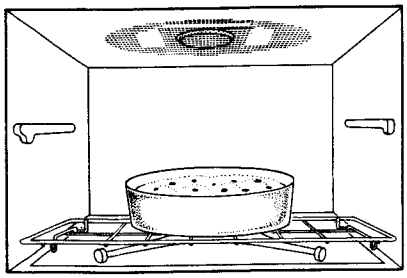


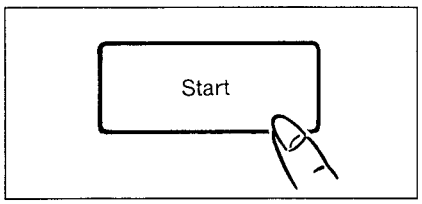
•Press START Pad.

NOTES:

1. Remove metal tray from oven before preheating. Place oven rack on oven floor.
2. When preheating is completed, oven will beep three times, "P" will flash in display window. Place food in dish on oven rack.
3. If oven door is not opened after preheating, oven will maintain the selected temperature for 60 minutes. After 60 minutes, oven will shut off automatically and beep five times.

Auto Cooking





•After Auto Preheating, press START Pad.

NOTES:

To Bake by Cake Category:
Place oven rack on oven floor.

To Bake by Pie Category:
Place oven rack in oven rack guides.

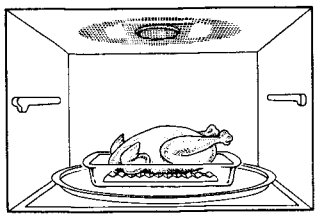
Item Number	Pie	Cake
1	Frozen	1
2	Double Crust— Fresh Filling	2
3	Double Crust— Precooked Filling	—

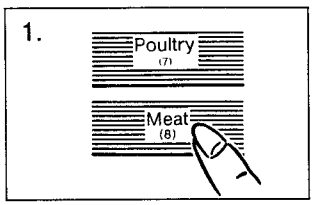
COMBINATION

One Touch Cooking (NN-9850)

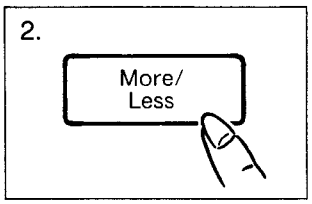
Poultry, Meat Pads:

This feature allows you to cook meat or poultry by weight. Choose the appropriate cook category pad and program the weight of the food. Weight must be programmed in pounds and in increments of (0.5) five tenths of a pound.

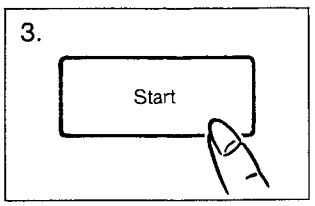




•Press the desired Category Pad until the desired category number and weights appears in the display window.



•Press More/Less Pad when you select the different doneness (medium or well) in Meat Pad only.



•Press START Pad.

NOTES ON ONE TOUCH COOKING:

1. There are 2 categories for One Touch Cooking. Listed are the recommended foods and maximum weight.
2. The shape and size of the meat will determine the maximum weight the oven can accommodate.
3. Stand time or a power level can be programmed after One Touch Cooking.
4. For further information on One Touch Cooking refer to the Panasonic Cookbook.

Category Number	Food	Maximum Weight
7	Poultry	14 lb.
8	Meat	8 lb.

Meat:

For rare doneness: Press Meat Pad.
For medium doneness: Press Meat Pad and More/Less Pad once.
For well doneness: Press Meat Pad and More/Less Pad twice.

Care of Your Microwave/Convection Oven

1. Turn the oven off before cleaning.
2. Keep the inside of the oven clean. Clean oven walls and door surface after each use with a damp sudsy cloth; rinse with a well wrung-out cloth and wipe dry.
3. The interior of the oven is stainless steel.
   To prevent baked-on soil, clean food spatters or spilled liquids as they occur. For hard to remove soil, use a mild detergent, a nonabrasive cleanser or spray with an all purpose cleaner and wipe dry. DO NOT use harsh detergents or abrasive cleaners on any oven surface.
   To help loosen soil before cleaning, heat 2 cups of water in a 4-cup glass measure at HIGH power for 5 minutes or until boiling.
4. It is occasionally necessary to remove the metal tray for cleaning. Wash the metal tray in warm sudsy water or in a dishwasher. Cool tray completely before washing. If grease accumulates or is difficult to remove, the tray may be cleaned with a nonabrasive nylon mesh scouring pad and a nonabrasive cleanser. Handle with care as tray is heavy.
5. Oven accessories may be washed in warm sudsy water or in a dishwasher.
6. The metal turntable should be removed frequently for cleaning. Wash the turntable in warm sudsy water. For hard to remove soil, use a mild detergent or a nonabrasive cleanser.
   When metal turntable is removed for cleaning, water or food particles should not be allowed to spill into the opening in the center of the oven bottom.
7. The oven door interior, outside oven surfaces and oven door window should be cleaned with a damp cloth, rinsed, and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
8. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth to remove. This may occur when the oven is operated under high humidity conditions and in no way indicates malfunction of the unit.
9. If the Control Panel becomes wet, clean with a soft, dry cloth. DO NOT use harsh detergents or abrasives on Control Panel. Avoid the use of excess water.
   When cleaning the Control Panel, leave oven door open to prevent oven from accidentally turning on. After cleaning, press STOP/RESET Pad to clear display window.

What to Do When Service is Needed

If your Panasonic microwave oven needs service, look in the yellow pages of the telephone book under "Home Appliance Service" for your nearest Matsushita Services Company ("MSC") Factory Servicenter, or MSC authorized Servicenter, or call **800-545-2672**, toll free to find a convenient servicenter. Do NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

Consumers requiring product information or operating assistance with a consumer product should contact:
CONSUMER AFFAIRS DEPARTMENT 2F-3
50 Meadowland Parkway Secaucus, N.J. 07094
(201) 348-9090

To Locate An Authorized Servicenter
1-800-545-2672
Matsushita Services Co.
24 Hours A Day, 7 Days A Week

Technical Specifications

Power Consumption	
Microwave:	12.2 Amps, 1,400 W
Convection:	12.5 Amps, 1,500 W
Output	
Microwave:*	750 W
Convection:	1,400 W
Outside Dimensions:	14 13/16" (H)×23 7/8" (W)×18 7/8" (D) 376 mm (H)×606 mm (W)× 481 mm (D)
Oven Cavity Dimensions:	9 1/2" (H)×16 1/4" (W)×16 13/16" (D) 242 mm (H)×412 mm (W)× 426 mm (D)
Operating Frequency:	2,450 MHz
Trim Kit:	NN-TK909 (for NN-9500) NN-TK909 (W) (for NN-9850)
Uncrated Weight:	Approx. 57 lbs.

*IEC 705-88 Test Procedure
Specifications subject to change without notice.

Panasonic®

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